



Mouse CD80 peptide (DAG-P0336)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.
Specificity	Expressed on activated B-cells, macrophages and dendritic cells.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	Cd80 CD80 antigen [Mus musculus (house mouse)]
Official Symbol	CD80
Synonyms	CD80; CD80 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen;
Entrez Gene ID	12519
mRNA Refseq	NM_009855.2

Protein Refseq	NP_033985.3
UniProt ID	Q00609
Chromosome Location	16 B5; 16 26.86 cM
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem; CD28 dependent Vav1 pathway, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell adhesion molecu
Function	protein binding;